

Circulating Fan Kit

Installation Instructions

Model: FK28/2960

For use with
Pinnacle PDV20/SDVR Direct Vent,
Stardance/Pinnacle UVS27 Vent Free,
Jefferson Direct Vent, Jefferson Unvented
JUV Gas Heaters and Seville Woodburning
Stove

**Read these instructions completely before
beginning installation.**

WARNING

This appliance is equipped with a three-prong (grounded) plug for your protection against shock hazard and should be plugged into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

The Fan Kit FK28/2960 attaches to the rear shroud of the PDV20/SDVR Direct Vent heater, the UVS27 Unvented, Jefferson Direct Vent, Jefferson JUV Unvented heaters and the Seville Woodburning Stove. Installation for the PDV20 should be made after the firebox is set within the stove shell but before connection to the gas supply. Installation for the UVS27 should be made before the firebox is set within the shell. Installation for the Jefferson Direct Vent and JUV may be made at any time during assembly. Installation for the Seville should be made before the stove is removed from the shipping pallet. Follow the procedure for the appropriate firebox model.

The kit includes a snapstat sensor which turns the fan on or off at approximately 109°F. Be sure the heater is cool before beginning the installation.

Fan Kit Contents:

- #10 x 1/2" Phillips screws, 6
- Star Washer
- Control Knob
- Snapstat
- Blower Assembly w/ Rheostat Control and Snapstat
- Silicone Tape
- Wire Tie
- Retaining Nut
- Snapstat Bracket

PDV20/SDVR Installation Procedure – for Pinnacle Direct Vent

1. Attach the Snapstat to the Bracket using two #10 x 1/2" phillips screws as shown in Figure 1.
2. Locate and remove the 1/4-20 x 3/8" hex head bolt installed in the hole in the right rear ledge of the firebox. (A, Fig. 1) Use that bolt to secure the Snapstat Bracket to the firebox. The mounting hole is slotted to let you adjust the bracket so that the snapstat head makes contact with the firebox surface. (Fig. 1)
3. Attach the Fan to the firebox by engaging the upper flange of the fan skirt under the lower edge of the Shroud and secure the skirt with the four #10 x 1/2" Hex Hd Cap screws and one star washer provided. (Fig. 2)

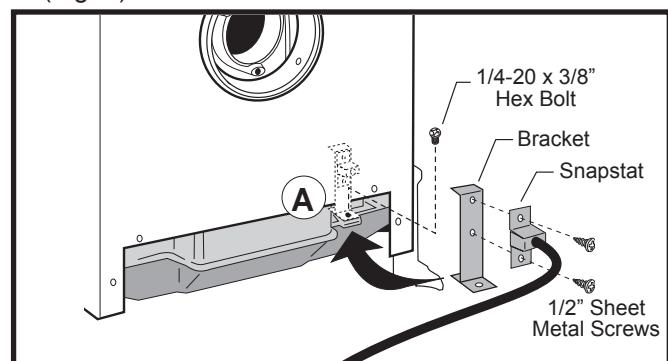


Fig. 1 Snapstat assembly and installation. (PDV20 shown)

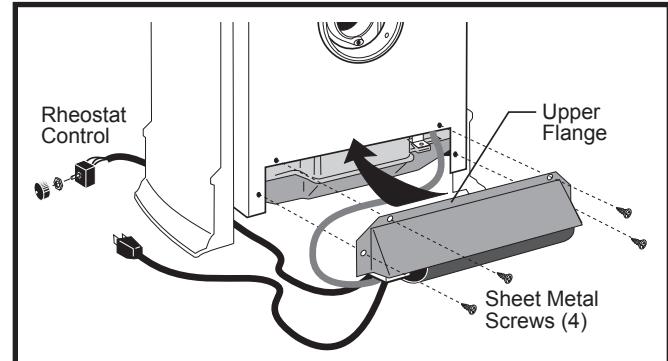


Fig. 2 The upper flange of the fan skirt should be located behind the lower edge of the shroud. (PDV20 shown)

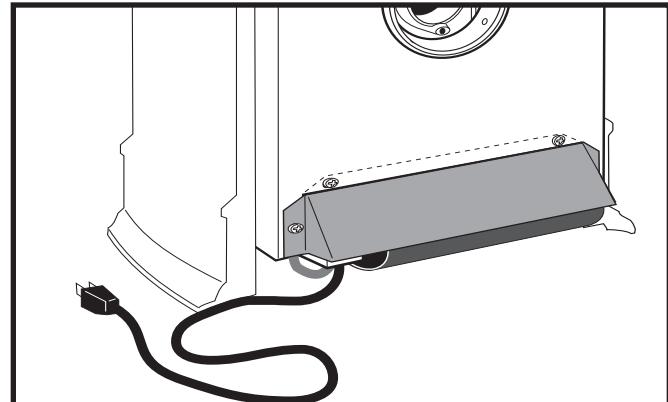


Fig. 3 Correct position of fan skirt installation. (PDV20 shown)

- The Rheostat Control switch attaches to the Control Panel plate provided in the parts bag with the stove.
 - Insert the switch box shaft through the hole in the back of the right side of the Panel, aligning the locator pin with the smaller hole in the panel. (Fig. 4)
 - Attach the Retaining Nut to the switch control shaft to secure it to the plate.
 - Attach the Control Knob to the rheostat shaft.
 - Use the wire tie to secure the fan and rheostat wire harnesses together to the tubing under the bottom heat shield.

Do not install the Control Panel onto the stove until after the gas supply and valve wiring connections have been made. See Assembly Instructions, PDV20/SDVR Owner's Guide.

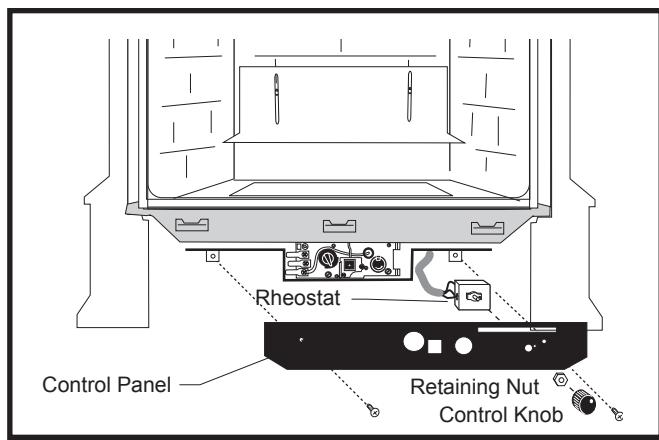


Fig. 4 Attach the Rheostat to the Control Panel.

- A length of silicone tape is included for installation between the Top Plate and the Rear Shroud, should you find that contact between these two surfaces causes vibration while the fan is operating.
 - Remove the Top Plate.
 - Cut the self-adhesive tape to size as needed, remove the backing paper and place tape on the top edge of the Shroud at those locations where it will eliminate direct contact between the Shroud and the Top Plate. (Fig. 5)
 - Replace the Top Plate.

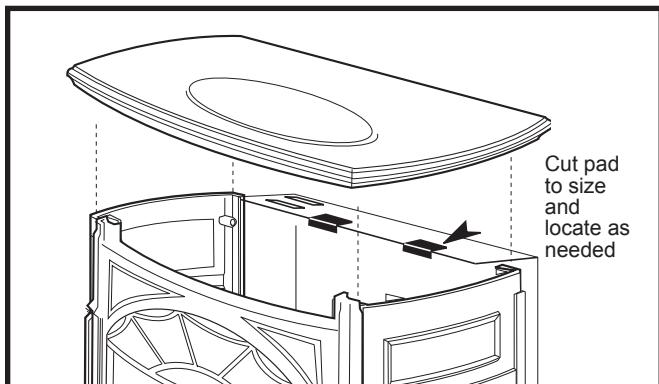


Fig. 5 Vibration dampening pad location. (PDV20 shown)

UVS27 Installation Procedure

– for Stardance and Pinnacle Vent-Free

- Attach the Fan assembly to the rear shroud in the same manner as detailed in the preceding section for the PDV20/SDVR, following Step 3, Figures 2-3.
- Disconnect the snapstat module from the leads inside the snapstat bracket. (Fig. 6)
- Bend open the snapstat bracket. Use your fingers or needle nose pliers to remove the black plastic grommet from the bracket. Discard the grommet and bracket.
- Feed the snapstat wire lead up between the inner and outer rear shroud panels and secure the snapstat to the upper right side of the inner shroud. (Fig. 7)
- Secure the snapstat wire harness to the shroud panel using the wire tie provided with this kit.
- Route the rheostat control switch and wire forward under the stove. Use the wire tie to secure the fan and rheostat wire harnesses together to the tubing under the bottom heat shield.

UVS27R / Honeywell Millivolt Valve: Install the rheostat onto the control panel at the hole to the right of the valve, as in Figure 4.

UVS27M / SIT Manual Valve: Install the rheostat onto the bracket to the left of the valve.

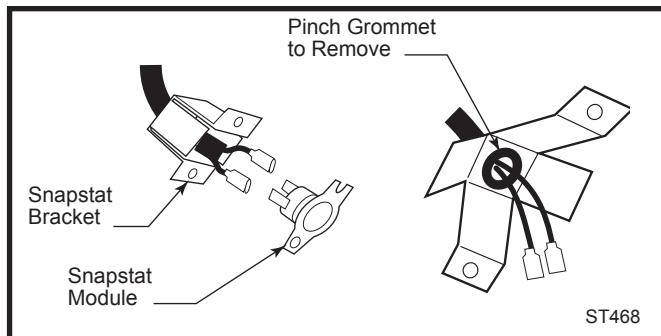


Fig. 6 Remove snapstat and grommet from bracket.

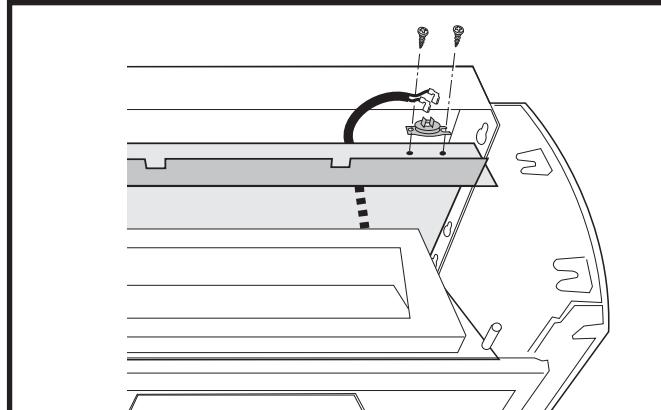


Fig. 7 Attach snapstat to inner shroud.

Jefferson Installation Procedure

1. Attach the snapstat assembly to the snapstat bracket with two sheet metal screws. (Fig. 8) Remove the 1/4-20 x 3/8" hex head bolt installed in the hole in the right rear ledge of the firebox. Use that bolt to secure the snapstat bracket to the firebox. The mounting hole is slotted to allow you to adjust the bracket so that the snapstat bracket head makes contact with the firebox. (Fig. 9)
2. Attach the fan to the rear shroud by engaging the upper flange of the fan skirt under the lower edge of the shroud and secure the skirt with the four screws and one star washer provided. (Fig. 9,10)
3. The rheostat control switch attaches to the left side of the valve bracket at the front of the stove. (Fig. 11)
 - Remove the plug from the rheostat bracket.
 - Insert the switch box shaft through the hole in the back of the right side of the valve bracket, aligning the locator pin with the smaller hole in that bracket.
 - Attach the retaining nut to the switch control shaft to secure it to the plate.
 - Attach the control knob to the rheostat shaft.
 - Use the wire tie to secure the fan and rheostat wire harnesses together.

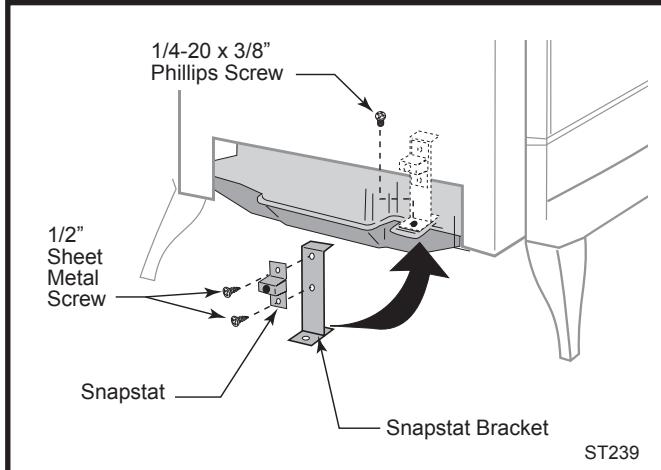


Fig. 8 Snapstat assembly and installation.

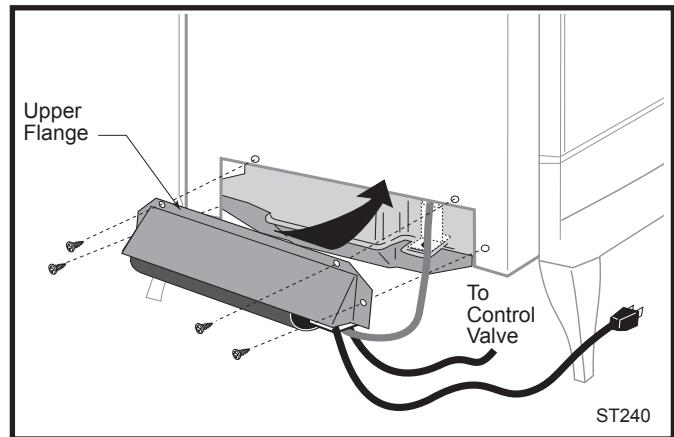


Fig. 9 The upper flange of the fan skirt should be located behind the lower edge of the shroud.

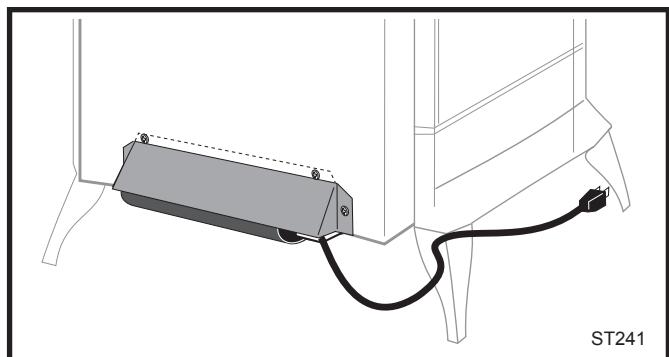


Fig. 10 Correct position of fan skirt installation.

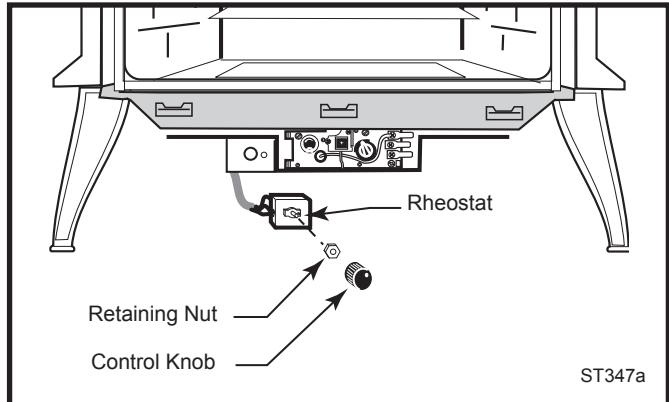


Fig. 11 Attach rheostat.

JUV Installation Procedure for Jefferson Unvented

1. Attach the fan to the rear shroud by engaging the upper flange of the fan skirt under the lower edge of the shroud and secure the skirt with the four screws and one star washer provided. (Figs. 12,13)

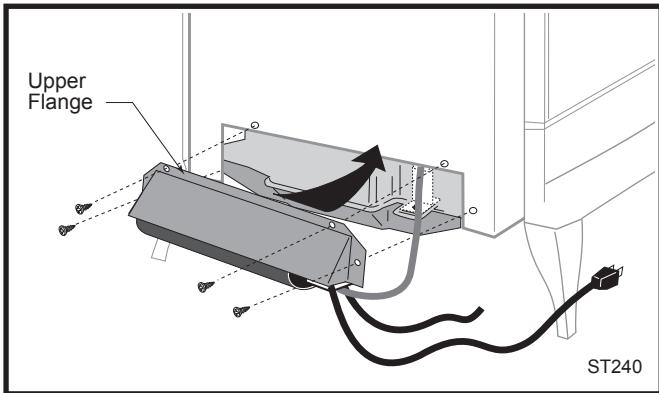


Fig. 12 Place upper flange behind lower edge of shroud.

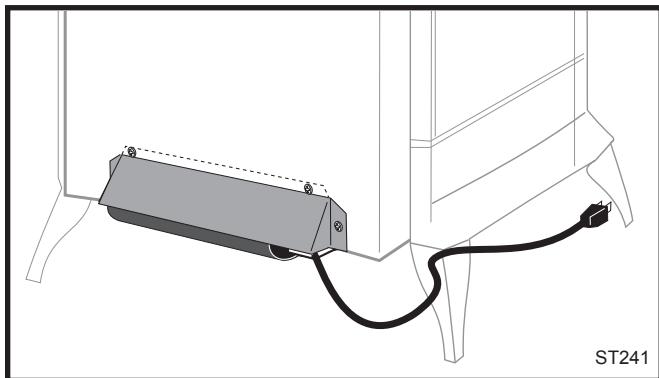


Fig. 13 Correct position of fan skirt installation.

2. Disconnect the snapstat module from the leads inside the snapstat bracket. (Fig. 14)
3. Bend open the snapstat bracket. Use your fingers or needle nose pliers to remove the black plastic grommet from the bracket. Discard the grommet and bracket.
4. Secure the snapstat to the upper middle of the inner shroud. (Fig. 15) **NOTE:** The snapstat location may be reached through the front of the stove between the top and the firebox or you may loosen the four screws holding the rear shroud in place. Be sure to secure shroud back into place before operation.
5. Connect the two wires to the two snapstat extension leads attached to the inner shroud. You may coil excess wire up inside the rear shroud.
6. Route the rheostat control switch and wire forward under the stove. (Fig. 16) Use the wire tie to secure the fan and rheostat wire harnesses together to the tubing under the heater.

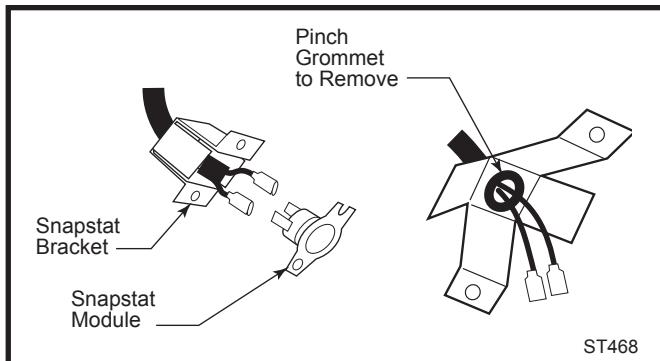


Fig. 14 Remove snapstat and grommet from bracket.

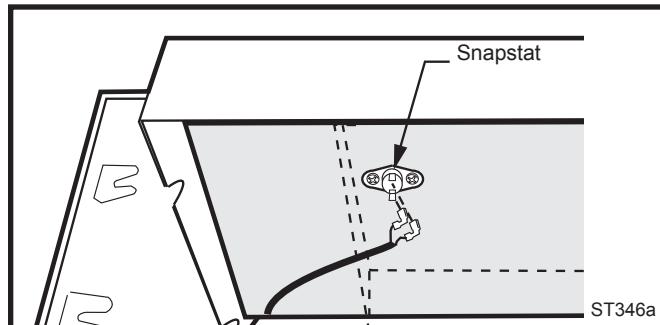


Fig. 15 Attach snapstat to inner shroud.

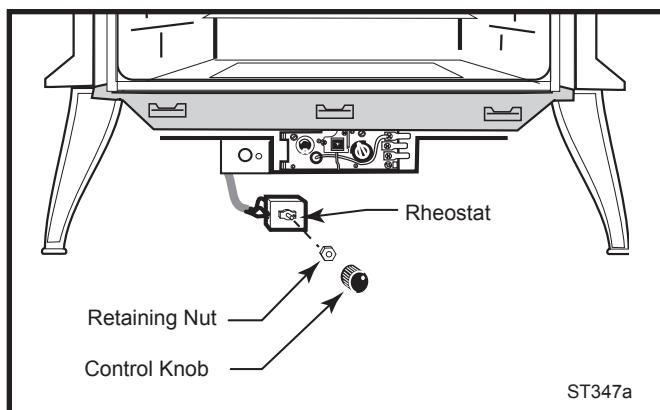


Fig. 16 Attach rheostat to control panel.

Seville Installation Procedure

Install the Snapstat

1. Disconnect the leads from the Snapstat terminals.
2. Use pliers to remove the retainer ring from the Snapstat Cover and slip the cover off the wire harness.
3. Reconnect the wire leads to the Snapstat Plate.
4. Using two sheet metal screws from the fan kit, attach the Snapstat Plate to the Inner Shroud as indicated in Figure 17.

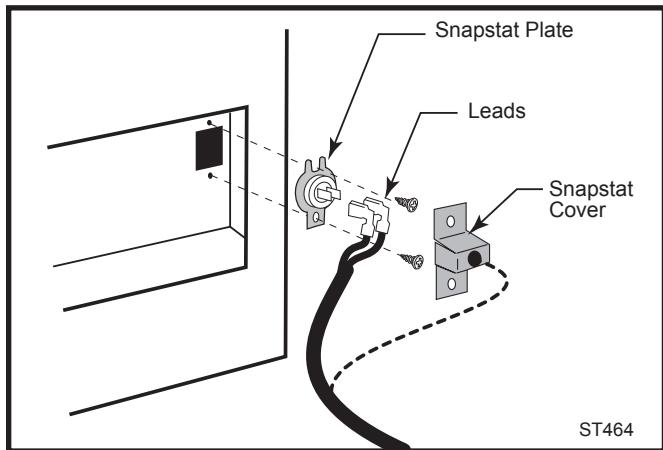


Fig. 17 Install snapstat.

Install the Fan

Position the Fan body within the Rear Shroud as shown in Figure 18. The Fan's upper flange should be located behind the lip of the opening. Secure the Fan to the Shroud using five sheet metal screws and single star washer supplied with the kit.

Install the Rheostat Switch

1. Install the Switch within the Switch Bracket that is provided with the stove in the Hardware Bag. Use the Retainer Nut and Control Knob provided in the Fan Kit. (Fig. 19)
2. Attach the Switch Bracket to the left side of the Rear Shroud using two sheet metal screws as shown in Figure 20.
3. Secure the fan wire harness to the back of the Shroud using the Wire Tie plug as shown in Figure 20.

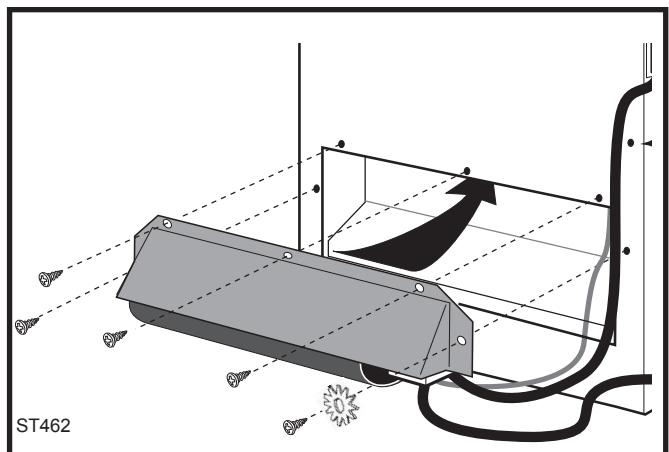


Fig. 18 Install fan body into rear shroud.

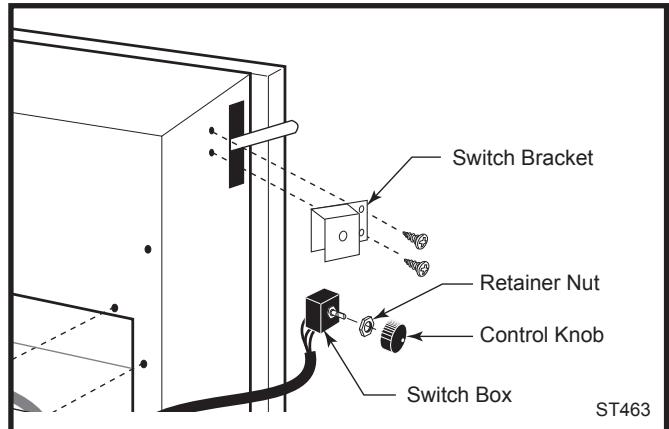


Fig. 19 Install the rheostat switch.

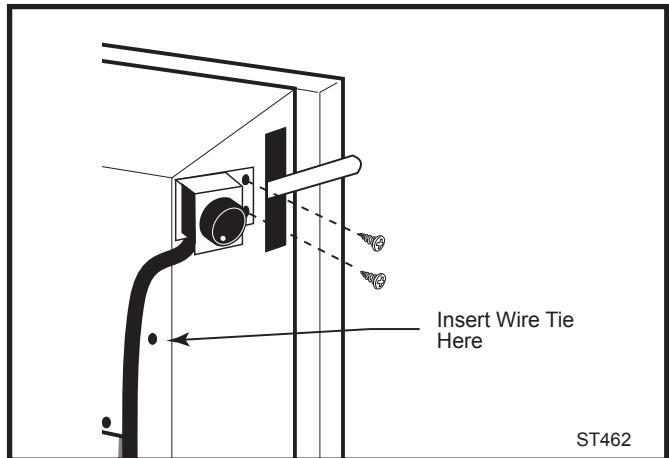


Fig. 20 Attach the rheostat switch and wire tie.

